BRUHAT BANGALORE MAHANAGAR PALIKE

Executive Engineer
Project Division, Yelahanka Zone,
BBMP, Bangalore-92

APPROVED SCHEDULE-'B'

Name of Work : Shifting of Electrical utilities of road widening from NH-7 to SWD bridge along Jakkur road near Raithara Santhe Ward no.01 in Yelahanka

It No	App.Qty	Particulars of item	Unit	Approved Rates of Sri.R.Satheesh (M/s.Sathya Constructions)	
				Rate in Figures	Rates in words
1	2	11 Mtrs long Spun pole	No	15800.00	Fifteen Thousand Eight Hundred Rupees and Zero Paise
2	2	9mtrs ling RCC pole	No	5800.00	Five Thousand Eight Hundred Rupees and Zero Paise
3	5	Horizontal X Arms set with H.T.S.T Support Bolts Nuts, Washers & Pole clamp	Set	430.00	Four Hundred Thirty Rupees and Zero Paise
4	5	4 pin X Arm	Nos	310.00	Three Hundred Ten Rupees and Zero Paise
5	12	11 KV Pin Insulators	No	103.00	One Hundred Three Rupees and Zero Paise
6	6	45 KN Disc Insulator	No	300.00	Three Hundred Rupees and Zero Paise
7	15	1.1 KV Pin Insulator	No	41.00	Forty One Rupees and Zero Paise
8	10	No 8 KN Strain Insulator	No	14.00	Fourteen Rupees and Zero Paise
9	2	Guy set Complete	Set	800.00	Eight Hundred Rupees and Zero Paise
10	4	Earthing materials pipe type for grounding	No	1300.00	One Thousand Three Hundred Rupees and Zero Paise
11	90.00	Coyote conductor including 1.5% of sag	Mtr	93.86	Ninety Three Rupees and Eighty Six Paise
12	90.00	Rabbit conductor including 1.5% of sag	Mtr	36.81	Thirty Six Rupees and Eighty One Paise
13	2	11 Mtrs long Spun pole	No	2000.00	Two Thousand Rupees and Zero Paise
14	2	9mtrs ling RCC pole	No	937.00	Nine Hundred Thirty Seven Rupees and Zero Paise
15	5	Horizontal X Arms set with H.T.S.T Support Bolts Nuts, Washers & Pole clamp	Set	88.00	Eighty Eight Rupees and Zero Paise
16	5	4 pin X Arm	Nos	85.00	Eighty Five Rupees and Zero Paise
17	2	Guy set Complete	Set	300.00	Three Hundred Rupees and Zero Paise
18	4	Earthing materials pipe type for grounding	No	500.00	Five Hundred Rupees and Zero Paise
19	90.00	Coyote conductor including 1.5% of sag	Mtr	4.03	Four Rupees and Three Paise
20	90.00	Rabbit conductor including 1.5% of sag	Mtr	2.31	Two Rupees and Thirty One Paise
21	2	Releasing & Refixing of Spun pole structure	Nos	3418.00	Three Thousand Four Hundred Eighteen Rupees and Zero Paise
22	1	Releasing & Refixing of 11 KV 200 A GOS	Nos	1000.00	One Thousand Rupees and Zero Paise

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				Rate in Figures	Rates in words
23	2	Releasing & Refixing of 11 Horizontal X Arms	Set	167.20	One Hundred Sixty Seven Rupees and Twenty Paise
24	1	Releasing & Re- Errection of 100 KVA Transformer Center	Nos	1500.00	One Thousand Five Hundred Rupees and Zero Paise
25	1	Releasing and Re-wiring of LT Lead wire	Set	1200.00	One Thousand Two Hundred Rupees and Zero Paise
26	1	LT Metering box with CTs and neccesary wiring for housing ETV Meter (Please see CDS-42)	Nos	840.00	Eight Hundred Forty Rupees and Zero Paise
27	1	LT Electronic Tri-Vector Meter 5A, Class-0.5/1.0 accuracy	Nos	1020.00	One Thousand Twenty Rupees and Zero Paise
28	2	8 Mtr PCC Pole	Nos	1700.00	One Thousand Seven Hundred Rupees and Zero Paise
29	2	Releasing and Re-Refixing of 11 KV Horizontal X Arms	Set	200.00	Two Hundred Rupees and Zero Paise
30	2	Digging of pits 1.8mtr depth for erection of 9 to 10 mtr long steel/RCC/PSC supports as per approved Drawing. Hard Soil	Per Pit	1120.00	One Thousand One Hundred Twenty Rupees and Zero Paise
31	2	Providing cement concrette to poles and guy sets with material and lobour including necessary curing etc.., complete(cost does not include excavation). A) Base Concreating with cc 1:4:8 b) Pole based for 9 mtrs square pole (650X650X150mm)	Each	300.00	Three Hundred Rupees and Zero Paise
32	2	Providing cement concrette to poles and guy sets with material and lobour including necessary curing etc.., complete(cost does not include excavation). B) Pole concreting with cc 1:2:4 (without Coping) a) 9mtrs Support (650X500X1700)	Each	2185.00	Two Thousand One Hundred Eighty Five Rupees and Zero Paise
33	2	Erection of RCC/PSC poles 9 to 10mtr long but in a pit of 1.8mtr	No	603.00	Six Hundred Three Rupees and Zero Paise
34	2	Releasing of Pole of 9 Mtrs Long	No	500.00	Five Hundred Rupees and Zero Paise
35	2	Fixing and wiring as SV/MV light fittings with suitable clamps brackets lamps bolts and nuts using departmental material and departmental ladder vehicle under supervision of departemental staff	Set	530.00	Five Hundred Thirty Rupees and Zero Paise
36	2	Releasing of SV/MV light fitting by Using departmental ladder vehicle under supervision of departemental staff	Set	500.00	Five Hundred Rupees and Zero Paise
37	110 00	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I. Class 'A' PVC Cable 3.5 core 35sqmm	Per Mtr	160.00	One Hundred Sixty Rupees and Zero Paise

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				Rate in Figures	Rates in words
38	110.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. b) 25 sqmm to 75 sqmm	Rmtr	7.94	Seven Rupees and Ninety Four Paise
39	50.00	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7)b. In hard Soil	Rmtr	37.00	Thirty Seven Rupees and Zero Paise
40	4	Supplying, fixing wiring earth electrode for gounding conduits, I.C.Cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc. the pipe shall have 16 through holes of 12 mm dia.	Each	1450.00	One Thousand Four Hundred Fifty Rupees and Zero Paise
41	4	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc c. 35 Sqmm	Each	210.00	Two Hundred Ten Rupees and Zero Paise
42	22	Supplying and Fixing 4 Nos of 590 mm length High Yield Tensile Cold Rolled Pitched threads (680 N/sq mm) 27 mm Bolt dia (Mkt Rate)	Nos	1000.00	One Thousand Rupees and Zero Paise
43	10	Hire Charges Components for Crane Charges , crane 80 tonnes Sl no 86, code no 1311, Page No XXXX, KPWD SR CIVIL 2012-13	hr	600.00	Six Hundred Rupees and Zero Paise
44	20	Material Components for Trailor 30 tonne capacity ,Sl no821, Page No XXIX, KPWD SR CIVIL 2012-13	hr	722.00	Seven Hundred Twenty Two Rupees and Zero Paise
45	17	Releasing and Re-Fixing halogen/metal halide/SVL/IL floodlight fitting over existing pole/wall ceiling including clamps ,bolts ,nuts and wiring using suitable capacity wires complete i.e Rs=130.00 for fixing & 0.9 of Rs=130.0	Each	180.00	One Hundred Eighty Rupees and Zero Paise
46	50.00	Supplying and drawing PVC flexible unarmoured copper control cable of approved make E) 8c x 2.5Sqmm.1 Group A	per mtr	55.00	Fifty Five Rupees and Zero Paise

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				Rate in Figures	Rates in words
47	2	Casting of suitable foundation for the 16/20 mtr High mast including designing and cost of all materials like Anchor plates,Template and washers labour charges, all other incidental charges etc,. complete as per specification and Drawing given in KPWD elect SR 2010-11(P.No 107) Detailed Calculation as per CIVIL SR items Enclosed.	Each	19300.00	Nineteen Thousand Three Hundred Rupees and Zero Paise
48	6	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc complete. D) Rating: 100-125 Amps make : Group A	Each	5100.00	Five Thousand One Hundred Rupees and Zero Paise
49	45000.00	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer pain and finally finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. a) 14 SWG	sqcm	0.27	No Rupees and Twenty Seven Paise
50	14.00	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. A) 40x40x6mm.	Per Mtr	174.00	One Hundred Seventy Four Rupees and Zero Paise
51	4	Supplying and fixing of Miniature circuit breakers/on existing MCB distribution boards using necessary fixing materials and C Type Curve, indicator ON/OFF, energy cross 3 with short circuit breaking capacity of 10K and Complete wiring as required. Class A. make : (L&T Siemens, MG, Legrand, ABB f).40-63Amps TPN 1) Group 'A'	Each	1000.00	One Thousand Rupees and Zero Paise
52	4	Material Components for Anchor Plates (IS 2062) Sl no 423, code no 0712, Page No XIV, KPWD SR CIVIL 2012-13	Each	160.00	One Hundred Sixty Rupees and Zero Paise
53	40.00	Material Component Steel wire Rope 40 mm Sl no 258, code no 0958, Page No IX, KPWD SR CIVIL 2012-13	kgs	35.00	Thirty Five Rupees and Zero Paise

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54	40	Supplying High pressure sodium vapour street light luminaire 250wsuitable for use with high pressure sodium vapour lamp with integrated control gear and grey colr powder coated. The fitting shall be non corrosive pressure die cast aluminium housing with high purity anodized aluminium housing with EPDM Gaskets suitable for Outer Dia of pole 40 mm -60 mm. Cable entry through a cable gland with toggle clips. IP65 protection for both optical & electrical compartment. Bottom cover may be with poly carbonate/tempered/ toughened glass.Luminaire efficiency should be > 60 % and ambient temperature >35 deg C. High Intensity Discharge electro magnetic ballast with copper winding of Orthocyclic winding coil. Class H insulated dual coated copper wire. Complaince to IEC 61347-2-9 Safety & IEC 60923-Performance. Winding Temperature rise "Tw-130deg C & temperature sise T=70 deg C. Luminaire shall be suitable to operate on 230/250 V 50 Hz AC supply finish including wiring . Ignitor, condenser, SS Toggles for opening front hingeable glass 250 Wattsa) Group 'A'	Each	6600.00	Six Thousand Six Hundred Rupees and Zero Paise
55	40	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe	Each	893.00	Eight Hundred Ninety Three Rupees and Zero Paise

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				Rate in Figures	Rates in words
56	5	Supplying and fixing of timer Operating Illuminance Levels I. For Switching ON : < 60 lux for >30 sec II. For Switching OFF : >10 lux for >30 sec Switching Endurance : Minimum 5,000 cycles. • Max Device Power Insulation Resistance : Minimum 5 Meg Ohms • Operating Temperature Range : -10o C to +55oC (Ambient) • Operating Humidity Range : Upto 95% RH at 40oC Auto Voltage trip levels, Auto High Voltage Sense and Trip : Above 280 VAC. Auto High Voltage Sense and Reset : Below 265 VAC. Auto low voltage sense and trip : Below 150 VAC. Auto low voltage sense and reset : Above 165 VAC. Consumption : 1 Watt at 230 VAC(Approved Rates) Contactor details: supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and As per IS-13947 Rating: a) 100-125 amps	Each	15300.00	Fifteen Thousand Three Hundred Rupees and Zero Paise

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